28

WHAT IS CLAIMED IS:

1   1.   A device comprising:

2   a housing; and

3   a visual display on said housing..

1   2.   An analyte measurement device comprising:

2   a housing;

3   a visual display on said housing, said visual display having at lease one

4 visual indicator position next to a corresponding marking on the housing; and

5   a processor driving the visual display, wherein the processor runs software

6 that is modifiable to provide a variable user interface on the visual display.

1   3.   An analyte monitoring device comprising:

2   a housing;

3   a visual display on said housing, said visual display having at lease one

4 visual indicator position next to a corresponding marking on the housing;

5   a processor driving the visual display, wherein the processor runs software

6 that is modifiable to provide a variable user interface on the visual display; and

7   a wireless communication device allowing programs to be downloaded to

8 the processor by wireless communications.

1   4.   A skin penetrating system, comprising:

2   a housing;

3   a penetrating members positioned in the housing,

4   an analyte detecting member coupled to a sample chamber, the analyte

5 detecting member being configured to determine a concentration of an analyte in a body

6 fluid using a sample of less than 1 μL of a body fluid disposed in the sample chamber;

7   a visual display on said housing, said visual display having a screen saver

8 which is activated after a preset period of nonuse by a user; and

9   a processor driving the visual display, wherein the processor runs software

10 that is modifiable to provide a variable user interface on the visual display;

11   a wireless communication device allowing programs to be downloaded to

12   the processor by wireless communications.

1   5.   A tissue penetrating system, comprising:

2   a housing;

3   a penetrating members positioned in the housing,

4   a visual display on said housing, said visual display having at lease one

5   visual indicator position next to a corresponding marking on the housing;

6   a processor driving the visual display, wherein the processor runs software

7   that is modifiable to provide a variable user interface on the visual display;

8   a series of buttons on said housing for changing lancing settings shown on

9   the visual display.

1   6.   A method comprising:

2   providing an analyte monitor;

3   downloading software to the monitor wherein the software contains a

4   selected user interface.

1   7.   The method of claim 6 wherein said analyte monitor is a hand held

2   device.

1   8.   A method comprising:

2   providing an analyte monitor;

3   answering a plurality of questions shown on a display on the analyte

4   monitor,

5   using a processor to analyze response to said questions; and

6   downloading a program containing a user interface selected by the server

7   based on said responses, said user interface selected based on the appropriate user

8   interface class.

1   9.   The method of claim 8 wherein at least one of said questions is a

2   personality test question.

1   10.   The method of claim 8 wherein answers from the user are

2   transmitted to a server for analysis.

1   11.   The method of claim 8 wherein answers from the user are

2   transmitted by a wireless transmitter to a server for analysis.

1   12.   The method of claim 8 wherein the monitor uses one of the

2   following protocols to transmit data out of the monitor: 802.11b, Bluetooth, infrared, or

3   1394 IEEE protocol.

1   13.   The method of any claim above wherein updates are automatically

2   downloaded to the device after a certain period of time.

1   14.   The method of any claim above wherein a user enters a code to

2   determine the type of user interface to be displayed on the monitor.

1   15.   The method of any claim above wherein the monitor includes a

2   keyboard on a housing of the monitor.

1   16.   The method of any claim above wherein the monitor includes

2   upgrading the user interface to a new one matching or suited for the users age after a set

3   period of time, yearly, or on the users birthday.

1   17.   The method of any claim above wherein the monitor alerts the user

2   after a certain number of missed testing events.

1   18.   The method of any claim above wherein the monitor alerts the user

2   after a certain number of missed testing events using one the following: audio alerts,

3   visual alerts, vibratory alerts, or email alters to your email account or that of a third party

4   such as a doctor or family member.

1   19.   The method of any claim above wherein the monitor will email the

2   result to an email account with software that tracks a users testing history and/or glucose

3   readings.

1   20.   A method comprising:

2   providing an analyte monitor;

3   answering a plurality of questions displayed by the analyte monitor,

4   loading response to said questions to a server;

5   downloading a program that changes the functionality of the monitor and
6   is selected by the server based on said responses.